

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Liao et al. Art Unit : -  
Serial No. : File Herewith Examiner : -  
Filed : March 31, 2004  
Title : NUCLEIC ACID AMPLIFICATION

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

## INFORMATION DISCLOSURE STATEMENT


Applicants submit the attached form PTO-1449 and respectfully request consideration thereof by the Examiner and the recitation of the listed references on the face of any patent that issues from this application.

Under 35 USC §120, this application relies on the earlier filing date of application Serial No. 10/341,199, filed on January 10, 2003. The references were submitted to and/or cited by the Office in the prior application and, therefore, are not provided in this application:

Please apply any charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

Date: 31 March 2004

  
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Substitute Form PTO-1449 (Modified)  <b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary)  (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. <b>12251-036002</b>	Application No.
	Applicant <b>Liao et al.</b>		
	Filing Date	Group Art Unit	

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	2003/0099937 A1	05/29/03	Law			
	AB	2002/0076716 A1	06/20/02	Sabanayagam et al.			
	AC	2002/0061533 A1	05/23/02	van Gemen			
	AD	2001/0053541 A1	12/20/01	Su et al.			
	AE	5,130,238	07/14/92	Malek et al.			
	AF	5,409,818	04/25/95	Davey et al.			
	AG	5,455,166	10/03/95	Walker			
	AH	5,480,784	01/01/96	Kacian et al.			
	AI	5,514,545	05/07/96	Eberwine			
	AJ	5,545,522	08/13/96	Van Gelder et al.			
	AK	5,554,517	09/10/96	Davey et al.			
	AL	5,624,825	04/29/97	Walker et al.			
	AM	5,656,462	08/12/97	Keller et al.			
	AN	5,712,385	01/27/98	McDonough et al.			
	AO	5,716,785	02/10/98	Van Gelder et al.			
	AP	5,723,290	03/03/98	Eberwine et al.			
	AQ	5,766,849	06/16/98	McDonough et al.			
	AR	5,786,183	07/28/98	Ryder et al.			
	AS	5,795,715	08/18/98	Livache et al.			
	AT	5,824,518	10/20/98	Kacian et al.			
	AU	5,854,033	12/29/98	Lizardi			
	AV	5,856,088	01/05/99	McDonough et al.			
	AW	5,888,779	03/30/99	Kacian et al.			
	AX	5,891,636	04/06/99	Van Gelder et al.			
	AY	5,908,744	06/01/99	McAllister et al.			
	AZ	5,932,451	08/03/99	Wang et al.			
	AAA	5,958,688	09/28/99	Eberwine et al.			

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

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U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	ABB	6,004,752	12/21/99	Loewy et al.			
	ACC	6,027,913	02/22/00	Sommer			
	ADD	6,066,457	05/23/00	Hampson et al.			
	AEE	6,132,997	10/17/00	Shannon			
	AFF	6,143,495	11/07/00	Lizardi et al.			
	AGG	6,248,521	06/19/01	Van Ness et al.			
	AHH	6,291,170	09/18/01	Van Gelder et al.			
	AII	6,326,173	12/04/01	Edman et al.			
	AJJ	6,379,932 B1	04/30/02	Arnold et al.			
	AKK	6,589,734	07/08/03	Kacian et al.			

Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	ALL	EP 0 368 906 B1	05/23/90	EP				
	AMM	WO 88/10315	12/29/88	WIPO				
	ANN	WO 89/01050	02/09/89	WIPO				
	AOO	WO 89/07149	08/10/89	WIPO				

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	APP	Abbott et al., "Enzymatic Gene Amplification: Qualitative and Quantitative Methods for Detecting Proviral DNA Amplified in Vitro", <i>Journal of Infectious Diseases</i> 158(6):1158-1169 (1988)
	AQQ	Baugh et al., "Quantitative analysis of mRNA amplification by <i>in vitro</i> transcription", <i>Nucleic Acids Research</i> 29(5):1-9 (2001)
	ARR	Hirschhorn et al., "SBE-TAGS: An array-based method for efficient single-nucleotide polymorphism genotyping", <i>PNAS</i> 97(22):12164-12169 (2000)
	ASS	Kwoh et al., "Transcription-based amplification system and detection of amplified human immunodeficiency virus type 1 with a bead-based sandwich hybridization format", <i>Proc. Natl. Acad. Sci. USA</i> 86:1173-1177 (1989)
	ATT	"List of sequence tags", <a href="http://www-genome.wi.mit.edu/publications/SBE-TAGS/">http://www-genome.wi.mit.edu/publications/SBE-TAGS/</a> , printed 7/21/02
	AUU	"MessageAmp aRNA Kit <i>Instruction Manual</i> ", v. 0302, Ambion Inc., January 2003

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Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	AVV	Milligan et al., "Oligoribonucleotide synthesis using T7 RNA polymerase and synthetic DNA templates", <i>Nucleic Acids Res</i> 15(21):8783-8799 (1987)
	AWW	Murakawa et al., "Laboratory Methods: Direct Detection of HIV-1 RNA from AIDS and ARC Patient Samples", <i>DNA</i> 7(4):287-295 (1988)
	AXX	Novagen brochure, "Strandase Kit", from a pdf document dated 8/2/1999
	AYY	"NucleoLink Procedure for Solid Phase-PCR (DIAPOPS)", <i>TechNote</i> 5(36), from a pdf document dated 2001
	AZZ	Poirier and Erlander, "Postdifferential Display: Parallel Processing of Candidates Using Small Amounts of RNA", <i>METHODS: A Companion to Methods in Enzymology</i> 16:444-452 (1998)
	AAAA	Sadhu et al., " <u>In vitro</u> synthesis of double stranded RNA and measurement of thermal stability: effect of base composition, formamide and ionic strength", <i>Biochemistry International</i> 14(6):1015-1022 (1987)
	ABBB	Sarkar and Sommer, "Access to a Messenger RNA Sequence or Its Protein Product Is Not Limited by Tissue or Species Specificity", <i>Science</i> 244:331-334 (1989)
	ACCC	Stoflet et al., "Genomic Amplification with Transcript Sequencing", <i>Science</i> 239:491-494 (1988)

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